BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work: Construction of Public sitting platform at Bagalagunte (Near Maramma Temple and Karekallu) in Bagalagunte ward No: 14,

							Est. Cost Rs 15.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D		Rate	Amount
1	Earth work Excavation for foundation of Buildings, water supply, sanitory lines and electrical conduits either in pits or in trenches 1.5m and above in width. In Hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specification No: KBS 2.1(b)/2.3.5(it: 2.4, P-5) 2016-17								
	Near Maramma Temple and Karekallu	1	2	12.00	0.90	1.00	21.60	Cum	
		1	2	7.00	0.90	1.00	12.60		
	Cum						34.20	299.98	10259.00
	Basic Rate	283.00							
	Add Area Weightage 6%	16.98							
	Total	299.98							
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost all materials, labour, HOM of machinery, curing complete as per specifications.(Page No: 12 itNo:4.3) 2016-17								
	Near Maramma Temple and Karekallu	1	2	12.00	0.90	0.15	3.24		
		1	2	7.00	0.90	0.15	1.89		
	For Flooring	1	2	13.50	7.50	0.20	40.50		
							45.63		
	Deduct Tree Potion	1	2	6.00	3.00	0.20	(-) 7.20		
				Cum			38.43	5159.02	198261.00
	Basic Rate	4867.00							
	Add Area Weightage 6%	292.02							
	Total	5159.02							
3	KSRB-5.2-2: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.(Page No:23 ItNo: 5.5) SR 2016-17								
	Near Maramma Temple and Karekallu	1	2	12.00	0.90	0.60	12.96		
		1	2	7.00	0.90	0.60	7.56		
		Cum					20.52	4279.22	87810.00
	Basic Rate	4037.00							
	Add Area Weightage 6%	242.22							
	Total	4279.22							
4	KSRB-5.4-4: Providing and constructing granite / trap / basalt size stone masonry in SuperStructure with cement mortar 1:4, edges of stones chistle dresed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.(Page No:23 ItNo: 5.13) 2016-17								

	Near Maramma Temple and Karekallu	1	2	12.00	0.90	1.60	34.56		
		1	2	7.00	0.90	1.60	20.16		
				cum.			54.72	5908.44	323310.00
	Basic Rate	5574.00							
	Add Area Weightage 6%	334.44							
	Total	5908.44							
5	KSRB: 2.3 Filing available Excavated Earth (Excluding Rock) in sides of foundation up to plinth in layers not exceding 20cms in depth, compacting each deposited layer by ramming after watering with lead up to 1.5m. Including cost of materials, labour, curing complete as per specifications.(Page No:6 ItNo: 2.10) 2016-17								
	Qnty vide item No 1						34.20		
						Cum	34.20	134.62	4604.00
	Basic Rate	127.00							
	Add Area Weightage 6%	7.62							
	Total	134.62							
6	KSRB 15.1.3 -do- Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No: 113 ItNo: 15.3) 2016-17								
	Near Maramma Temple and Karekallu	1	2	12.00		1.60	38.40	Sqm	
		1	2	7.00		1.60	22.40	Sqm	
	Basic Rate	98.00		Sqm			60.80	103.88	6316.00
	Add Area Weightage 6%	5.88							
	Total	103.88							
7	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite land over existing floor in CM 1:4 at 20mm thick (average) and pointed with white / gey pigment etc., complete using black granite/ Multy Red/ Ruby Red/ Black/ Hassan Green Granite of width not less than 900mm, Page No. 107/ Item No. 14.47.2 / PWD SR 2016-17.								
	For Flooring	1	2	13.50	7.50		202.50	Sqm	
	Sides	1	1	19.00	5.00		95.00		
							297.50		
	Deduct Tree Potion	1	2	6.00	3.00		36.00		
				Sqm			261.50	2439.06	637814.00
	Basic Rate	2301.00							
	Add Area Weightage 6%	138.06							
	Total	2439.06							
8	KSRB7.9: Providing and fixing MS Grill work for windows and ventilators using MS flats or MS square rods, or comination of MS Flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a cost of red lead primer, cost of materials, fixtures, labour and HOM of machinary complete as per specification No KBS 7.12 (Page 32, it: 7.9)m 2016-17								
	For AR Grill Works	1	1	42.00		3.00	126.00	Sqm	
	168.00X21kg/Sqm			126.00	21.00		2646.00	Kgs	
				Kgs		Say	2700.00	82.68	223236.00
	Basic Rate	78.00							
	Add Area Weightage 6%	4.68							
	Total	82.68							

10	Miscellaneous and UnforessenCharges			8390.00
			Total	1500000.00

(Rupees. Fifteen Lakhs only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2016-17
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. CE/D2/AE/53/16-17 ದಿನಾಂಕ : 09/01/2017
ರೂ. ಹದಿನೈದು ಲಕ್ಷಗಳು / 15.00 lakh
Rs. fifteen lakhs /- ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

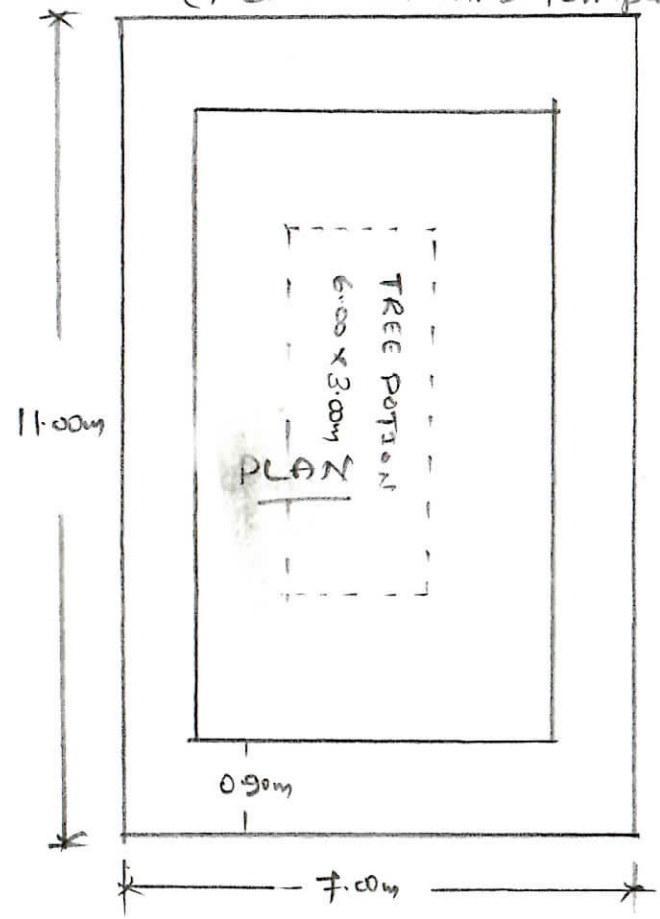
ನಂ. CE/DD/TS/82/16-17 ದಿನಾಂಕ : 10.01.17
ರೂ. Fifteen lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂ...

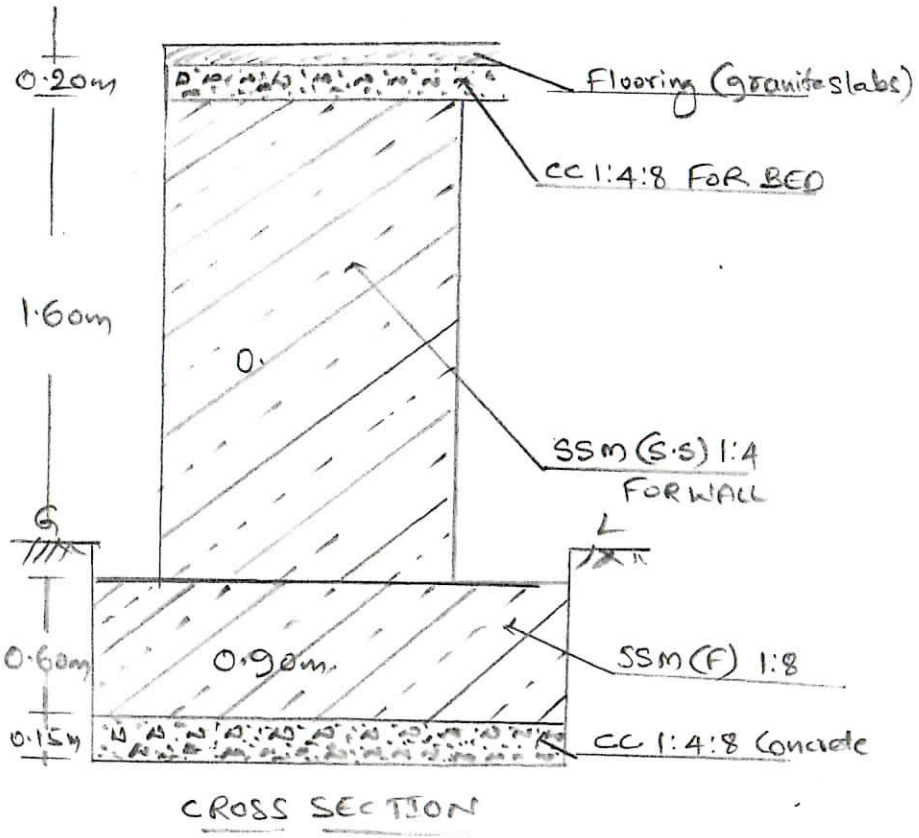
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಲಯ, ...

N/w:- Construction of Public Sitting platform at Bagalagunte (Near Maramma Temple and Karekallu) in Bagalagunte WO-No-14

NOTE: ALL DIMENTIONS ARE IN METER

NOT TO SCALE





CROSS SECTION

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ಬೇಗೂರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬೆಂಗಳೂರು ದಕ್ಷಿಣ
ಬೆಂಗಳೂರು

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Modified estimate for construction of Public sitting platform at Bagalagunte (Near Maramma Temple and Karekallu) in Bagalagunte ward No: 14,

			Est. Cost Rs				15.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earth work Excavation for foundation of Buildings, water supply, sanitory lines and electrical conduits either in pits or in trenches 1.5m and above in width. In Hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specification No: KBS 2.1(b)/2.3.5(it: 2.4, P-5) 2016-17								
	Near Maramma Temple	1	2	12.50	1.50	2.10	78.75	Cum	
		1	2	2.50	1.50	2.10	15.75		
	Top	1	1	2.50	9.00	0.10	2.25		
			Total Qty				96.75		
			Qty Executed upto 125%				42.75	299.00	12782.00
			Qty Executed Above 125%				54.00	296.69	16021.00
	Basic Rate	283.00							
	Add Area Weightage 6%	16.98							
	Total	299.98							
	TP 1.10 % below	3.29							
		296.69							
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost all materials, labour, HOM of machinery, curing complete as per specifications.(Page No: 12 itNo:4.3) 2016-17								
	Near Maramma Temple	1	2	12.50	1.40	0.20	7.00	Cum	
		1	2	2.50	1.40	0.20	1.40		
	Flagging	1	1	13.70	1.60	0.15	3.28		
		1	1	4.00	0.90	0.15	0.54		
		1	1	4.30	0.90	0.15	0.58		
		1	1	7.30	0.70	0.15	0.76		
		1	1	2.50	1.00	0.15	0.37		
		1	1	13.70	0.60	0.15	1.23		
	Sanghada room	1	2	6.70	0.45	0.15	0.90		
	Top flooring	1	1	9.45	3.90	0.15	5.52		
							21.58		
	Deduct Tree Potion	1	2	1.80	1.50	0.15	0.81		
			Total Qty				20.77	5100.00	105927.00
3	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite land over existing floor in CM 1:4 at 20mm thick (average) and pointed with white / gey pigment etc., complete using black granite/ Multy Red/ Ruby Red/ Black/ Hassan Green Granite of width not less than 900mm, Page No. 107/ Item No. 14.47.2 / PWD SR 2016-17.								

	Flagging	1	1	13.70	1.60		21.92	Sqm	
		1	1	4.00	0.90		3.60		
		1	1	4.30	0.90		3.87		
		1	1	7.30	0.70		5.11		
		1	1	2.50	1.00		2.50		
		1	1	13.70	0.60		8.22		
			Total Qty				45.22	2400.00	108528.00
E-1	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary completeas per design (laps, hooks and wastage shall not be measured andpaid) cost of materials, labour, HOM of machinery complete as perspecifications. Specification No. KBS 4.6.3 TMT bars Fe 500 .Page No. 17/ Item No. 4.46.2 / PWD SR 2016-17.								
		48kg/cum of RCC Qty						Tonne	
	Basic Rate	60607.00	Total Qty				2.16	63536.75	137239.00
	Add Area Weightage 6%	3636.42							
	Total	64243.42							
	TP 1.10 % below	706.67							
		63536.75							
E-2	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm cumand down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum, with superplastisiser @3lts confirming toIS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layersnot exceeding 15 cms thick, vibrated for all works in ground floor levelfor roof slabs, staircase, lintels and beams retaining walls, returnwalls, walls (any thickness) including attached pilasters, columns,Unties, pillars, posts, struts, buttresses, string or lacing courses,parapets, coping, bed blocks, anchor blocks, plain window cills, fiHetsj*tc., including cost of all materials, labour, HOM of machinery, curing,complete but excluding cost of reinforcement as per specifications,specification No. KBS 4.t, 4.6 .Page No. 13/ Item No.4.12 of PWD SR 2016-17.								
	Footing							Cum	
		1	2	11.35	1.30	0.45	13.27		
		1	2	2.50	1.30	0.45	2.92		
	Wall								
		1	2	10.30	$\frac{.75+.45}{2}$	1.55	15.97		
		1	2	2.65	$\frac{.75+.45}{2}$	1.55	4.11		
	Top	1	1	9.50	3.10	0.15	4.41		
		2	4	2.10	0.20	0.30	1.00		
		2	4	2.10	0.20	0.30	0.75		
	Step						0.00		
		1	1	1.20	0.75	1.20	1.08		
		1	1	1.50	0.75	1.20	1.35		
	Sanghada room plat form								
		1	2	6.70	0.45	0.45	2.71		
							47.56		
	Deduct tree place	1	2	1.80	1.50	0.45	2.43		
			Total Qty				45.13	6674.79	301250.00
	Basic Rate	6367.00							
	Add Area Weightage 6%	382.02							
	Total	6749.02							

	TP 1.10 % below	74.23							
		6674.79							
E-3	Providing and removing centering, shuttering, strutting,.propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis andstring courses cost of all materials, labour complete as per specifications.Specification No. KBS 4.6.2 Page No. 15/ Item No.4.31 of PWD SR 2016-17.								
	Footing							Sqm	
		2	2	11.35		0.45	20.43		
		2	2	2.50		0.45	4.50		
	Wall								
		2	2	10.30		1.55	63.86		
		2	2	2.65		1.55	16.43		
		2	2	2.10		0.45	3.78		
		2	2	2.10		0.30	2.52		
		2	2	2.10		0.45	2.83		
		2	2	2.10		0.30	1.89		
	Step								
		1	2	1.20		1.20	2.88		
		1	1	0.75		1.20	0.90		
		1	1	1.50		1.20	1.80		
		1	5	0.75		0.15	0.56		
	Sanghada room plat form								
		1	2	6.70		0.45	6.03		
		1	2	0.45		0.45	0.40		
			Total Qty				128.81	307.17	39567.00
	Basic Rate	293.00							
	Add Area Weightage 6%	17.58							
	Total	310.58							
	TP 1.10 % below	3.41							
		307.17							
E-4	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding fornosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,, Page No. 107/ Item No.14.46 of PWD SR 2016-17.-								
	Landing	1	1	1.20	0.75		0.90	Sqm	
	Steps								
	Thread	1	10	0.75	0.30		2.25		
	Riser	1	12	0.75	0.15		1.35		
	Around tree								
		2	4	2.10	0.30		5.04		
		2	4	1.50	0.30		3.60		
	Top	1	1	10.45	4.05		42.32		
		1	2	10.45	0.30		6.27		
		1	2	3.40	0.30		2.04		
	Sanghada room plat form								
		1	2	6.70	0.50		6.70		
		2	2	0.50	0.50		1.00		
			Total Qty				71.47	6000.70	428870.00
	Basic Rate	5724.00							
	Add Area Weightage 6%	343.44							
	Total	6067.44							
	TP 1.10 % below	66.74							

		6000.70								
E-5	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc.Page No. 108/ Item No. 14.49 / PWD SR 2016-17									
		1	2	10.10	1.20		24.24	Sqm		
		1	2	3.65	1.20		8.76			
				Total Qty			**33.00**	3697.50	**122018.00**	
	Basic Rate	3527.00								
	Add Area Weightage 6%	211.62								
	Total	3738.62								
	TP 1.10 % below	41.12								
		3697.50								
E-6	Providing full nosing for 40mm thick granite slab using required machinery including cost and conveyance of all materials, jabbur for all items of work, HOM of equipment etc., complete as per specification Page No. 108/ Item No. 14.53 / PWD SR 2016-17.									
		1	2	10.40			20.80	M		
		1	2	4.00			8.00			
				Total Qty			**28.80**	497.97	**14342.00**	
	Basic Rate	475.00								
	Add Area Weightage 6%	28.50								
	Total	503.50								
	TP 1.10 % below	5.53								
		497.97								
E-7	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification Page No. 108/ Item No. 14.55 / PWD SR 2016-17.									
		2	6	1.05			12.60	M		
		1	1	2.75			2.75			
		2	4	2.10			16.80			
		2	2	1.50			6.00			
				Total Qty			**38.15**	249.51	**9519.00**	
	Basic Rate	238.00								
	Add Area Weightage 6%	14.28								
	Total	252.28								
	TP 1.10 % below	2.77								
		249.51								
E-8	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Page No. 43/ Item No. 7.38 of PWD SR 2016-17.									
		1	1	28.60		0.90	25.74	Cum		
		1	1	5.20		0.90	4.68			
				Total Qty			**30.42**	6444.15	**196031.00**	
	Basic Rate	6147.00								
	Add Area Weightage 6%	368.82								

	Total	6515.82							
	TP 1.10 % below	71.67							
		6444.15							
E-9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.50 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2015-16								
		Cum						Cum	
			Qty Vide Item No. 1				96.75	79.92	7732.00
	loading & unloading	68							
	Lead 4 KMs 2.5x1.28x4	12.80							
		80.80							
	Total	80.80							
	Deduct TP.1.1% below	0.88							
		79.92							
10	Miscellaneous and UnforessenCharges								174
								Total Rs	1500000.00
	(Rupees. Fifteen Lakhs only)								

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The modified Estimate is prepared as per the PW,P & IWTD -SR-2016-17, issue rates and schedule- B rates
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.